

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (Cancelled)

11. (Currently Amended) A high pressure fuel supply pump for an internal combustion engine, comprising:

a cylinder;

a plunger which reciprocates within said cylinder to change the volume within the cylinder;

a valve body provided, in order to open and close a through hole for connecting the interior of the cylinder with a low pressure fuel passage, on the downstream side of said through hole;

a first spring for biasing the valve body in a closing direction;

an engaging member installed on the side of said low pressure fuel passage to operate said valve body to an opening position against force of said first spring;

a second spring for imparting said engaging member resisting force to the force of said first spring; and

an electromagnetic driving device for releasing said engaging member from the state engaged with said valve body against the force of said second

spring, wherein with energization of said electromagnetic drive device, fuel in said cylinders is dammed up by said valve body when the force of said second spring does not act on said valve body and is discharged downstream of an opened discharge valve provided at said cylinder.

12. (Original) The high pressure fuel supply pump for an internal combustion engine according to claim 11, wherein said through hole is a fuel intake hole.

13. (Original) The high pressure fuel supply pump for an internal combustion engine according to claim 11, wherein said through hole is a fuel spill (overflow) hole.

14. (Original) The high pressure fuel supply pump for an internal combustion engine according to claim 11, wherein operating timing of said electromagnetic driving device is selected as fixed timing during compression operation of said plunger within said cylinder.

15 - 25. (Cancelled)

26. (Currently Amended) A high pressure fuel supply pump, comprising an electromagnetic mechanism having a plunger biased to a jump-out

position by a spring, and an electromagnetic solenoid for operating said plunger to a withdrawn position, and

an intake check valve provided in a fuel inlet of a pressurizing chamber of a pump, said electromagnetic mechanism being unenergized and mounted integral with the pump body so that when said plunger is at the jump-out position, said mechanism[[it]] comes in contact with said check valve to operate said check valve to an opening position, and when said mechanism is energized and said plunger is at the withdrawn position, said mechanism[[it]] moves away from said check valve to operate said check valve to a closed position, wherein with energization of said electromagnetic drive device, fuel in said cylinder is dammed up by said valve body when the force of said second spring does not act on said valve body and is discharged downstream of an opened discharge valve provided at said cylinder.

27. (Cancelled)

28. (Currently Amended) A high pressure fuel supply pump having a pressurizing chamber communicated with an intake passage of fuel and a discharge passage associated with a discharge valve, a piston for feeding fuel under pressure in said pressurizing chamber to said discharge passage, and an intake valve provided within said intake passage, wherein when pressure at downstream of said intake valve is equal to or higher than pressure upstream thereof, a valve closing force is generated in said intake valve, said supply pump

comprising an engaging member applied with a first biasing force so as to oppose when said intake valve moves in a closing direction, and an actuator for exerting a second biasing force opposite to said first biasing force to the engaging member by an external input, in which when said first biasing force is set off by said second biasing force, said engaging member is pulled away from said intake valve, wherein with said first biasing force counterbalanced by said second biasing force, the fuel in said pressurizing chamber dammed up by a body of said intake valve is discharged downstream of said discharge valve.

29. (Original) The high pressure fuel supply pump according to claim 28, wherein resultant force of the closing force of the intake valve generated when pressures at upstream and downstream of said intake valve are equal to each other and the second biasing force by said actuator is made higher than said first biasing force.

30. (Original) The high pressure fuel supply pump according to claim 28, wherein said actuator generates the second biasing force by electromagnetic force.

31. (Original) The high pressure fuel supply pump according to claim 28, wherein an engaging portion between said intake valve and said engaging member is in the form of a concavo-convex engagement.

32 - 34. (Cancelled)

35. (Currently Amended) A high pressure fuel supply pump for an internal combustion engine, comprising:

an electromagnetic driving mechanism provided with a holder in which an intake valve mechanism is accommodated in an intake passage portion communicated with a pressurizing chamber which is provided in a pump body with a piston movable along an operational axis line and having a plunger rod which moves forward and backward along the same axis as said intake valve and a movable core mounted thereon,

wherein said driving mechanism is provided at a side of said pump body such that the operational axis line of said piston intersects said same axis along which said plunger rod moves, said holder is fixed between said electromagnetic driving mechanism and said pump body by fixing said electromagnetic driving mechanism to said pump body, and said electromagnetic driving mechanism forms an intake opening opened and closed by said intake valve at a part in contact with said holder.